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MODEL MTX-1 OL

THE INSTRUMENT

The TECHNOVATION MODEL MTX-1OL DEWPOINT METER measures ppm of water vapor in 'dry' air or gas and digitally displays the consequent dewpoint temperature in the range -100°C dp to 0°C dp. The ppm H₂O equivalent of dewpoint °C is viewable using the push-button switch.

Model MTX-1 OL uses a 4-20 mA moisture transducer which has a NIST traceable calibration certificate. It is known for its superior performance, simplicity of use and long service life.

FEATURES

- Digital Display in °C DP and in ppm H₂O equivalent.
- Highly stable and reliable sensor
- Sensor mounted in SS 316 holder at remote location.
- Max separation between sensor & instrument panel is 10 meters
- Instrument control/display module is panel mounted.
- On/Off, Under-range, Over-range and Stable response indicators.
- One alarm provided with relay contacts. Recorder output provided: 0-1 volt or 4-20mA.
- Sensor resistant to pressure shock.

APPLICATIONS

Process gas monitoring, Quality assurance, R&D applications, Pure gas ppm H₂O analyser & glove boxes. Ultra high purity gas moisture measured

PRINCIPLE OF OPERATION

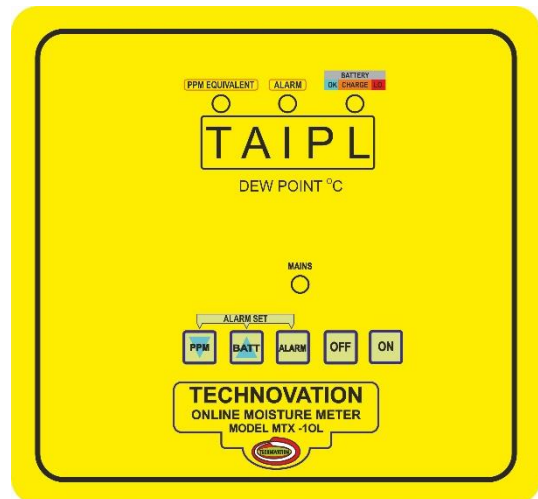
The instrument uses a NIST traceable transducer and can be calibrated easily for the parameter used. Sensors are easily interchangeable and replicable. Stored calibration data, in an on-board processor memory, ensures optimum calibration accuracy

STANDARD SPECIFICATIONS

Range : - 100°C dp to 0°C dp
 Display : 5 Digit LED, 12 mm high.
 Sensor type : Ceramic, 4-20Ma transducer
 Accuracy : ± 3°C dp.
 Resolution : 1°C dp steps
 Power : 230 VAC , 50 Hz
 Flow Rate : 5 to 6 L / min recommended
 Sensor holder : SS-316 block.

ONLINE DIGITAL DEW-POINT METER

LOW-COST DURABLE ACCURATE WITH AFTER-SALES-SERVICE



TECHNOVATION® MODEL MTX-1 OL

STANDARD SPECIFICATIONS CONTINUED

- Cable Length : Standard 2 mts, indicate in order for required length to a maximum of 10 mts.
 Inlet pressure : Max 150 kg/cm², if pressure reducer provided
 Boxsize OH : 21W X 19H X 28D cms
 Cutout size : 18.5 H X 18.5 W cms
 Weight : 1.5 Kg - Excluding sensor
 Enclosure type : M.S Powder coated, panel mounting type
 Alarm : Activates above set point adjustable by user through out range
 Alarm relay : Has one set of potential free contacts of 50VA. i.e. NO, C, NC

ACCESSORIES

Instruction manual, Mains cord, Sensor holder with cable & panel mounting clamps

OPTIONS (Specify while ordering.)

Recorder Output : 0-1 volt or 4-20 mA.

OPTIONAL EXTRA

Pressure reducer : Single stage type. SS 316, For max Inlet pressure 150 Kg/cm² along with sample gas inlet & outlet gauges.